

Figure 1: Set-up used to follow the LAMP reaction

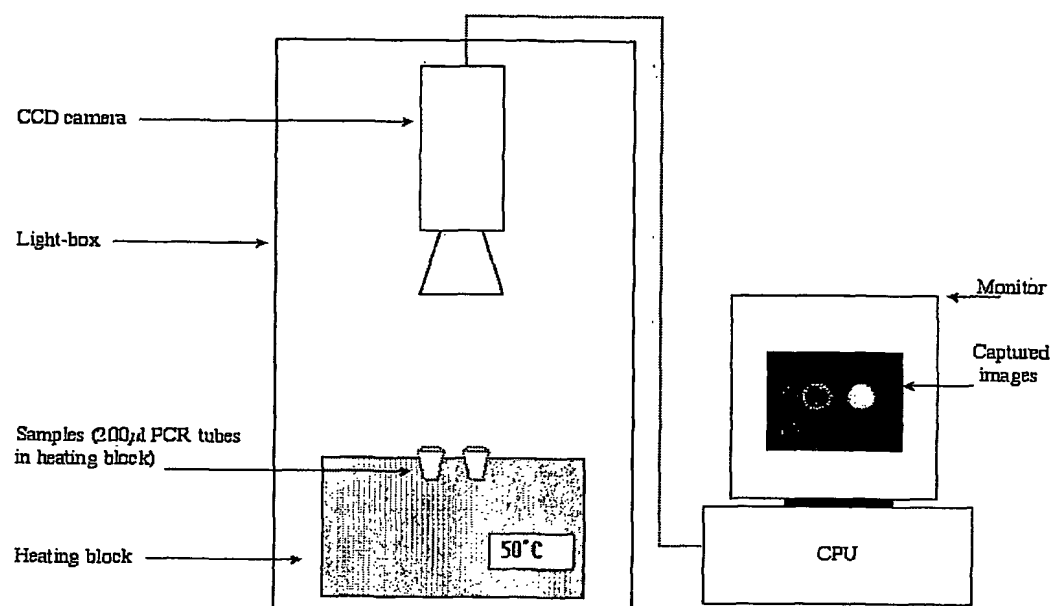


Figure 2: Output from LAMP in the presence of target DNA and in a control without Bst DNA Polymerase

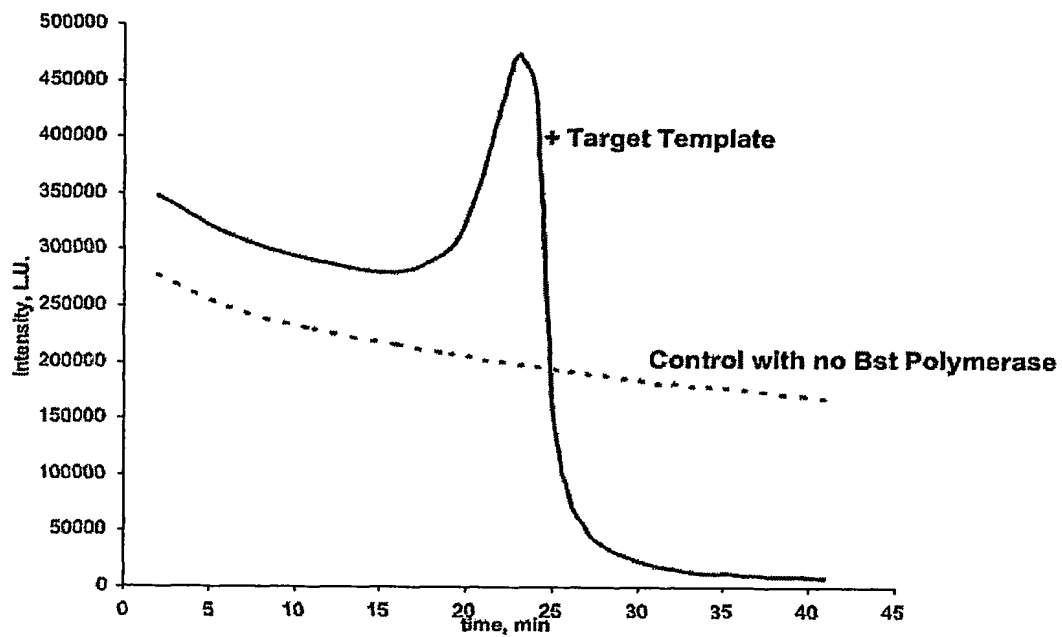


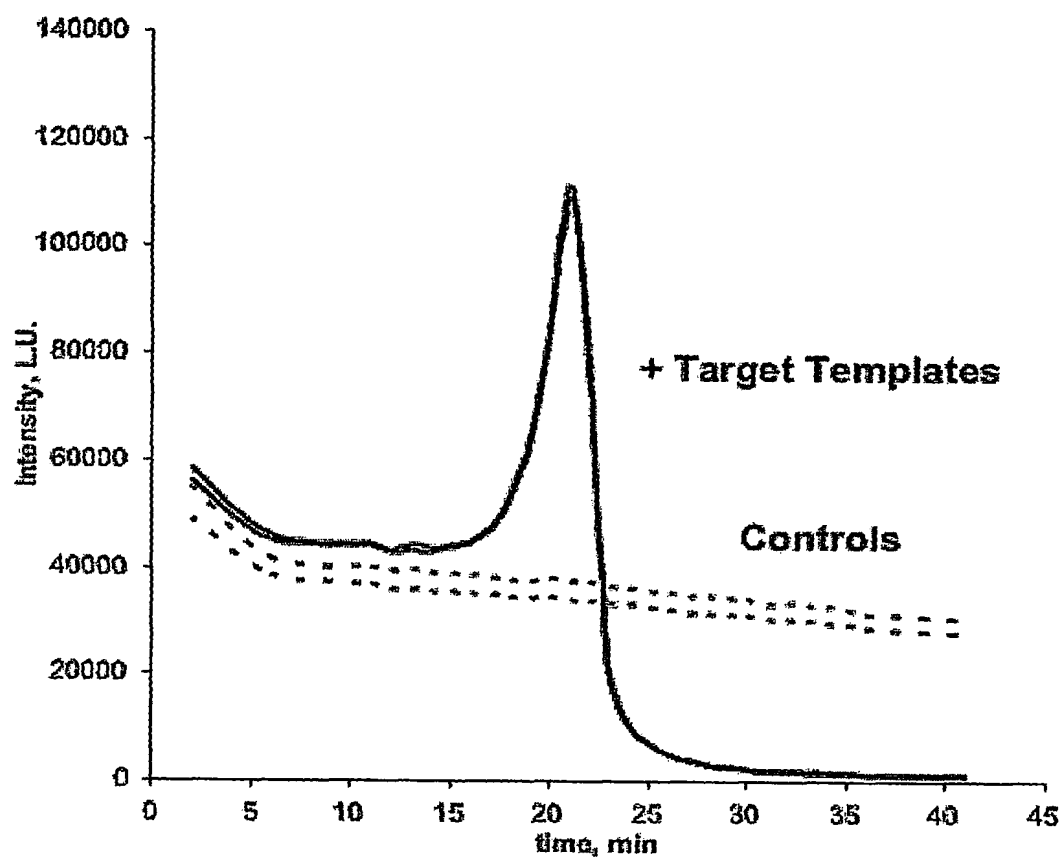
Figure 3: Duplicate LAMP samples and duplicate controls

Figure 4: Samples prepared as in Figure 2 & 3 but showing differences in absolute light intensity

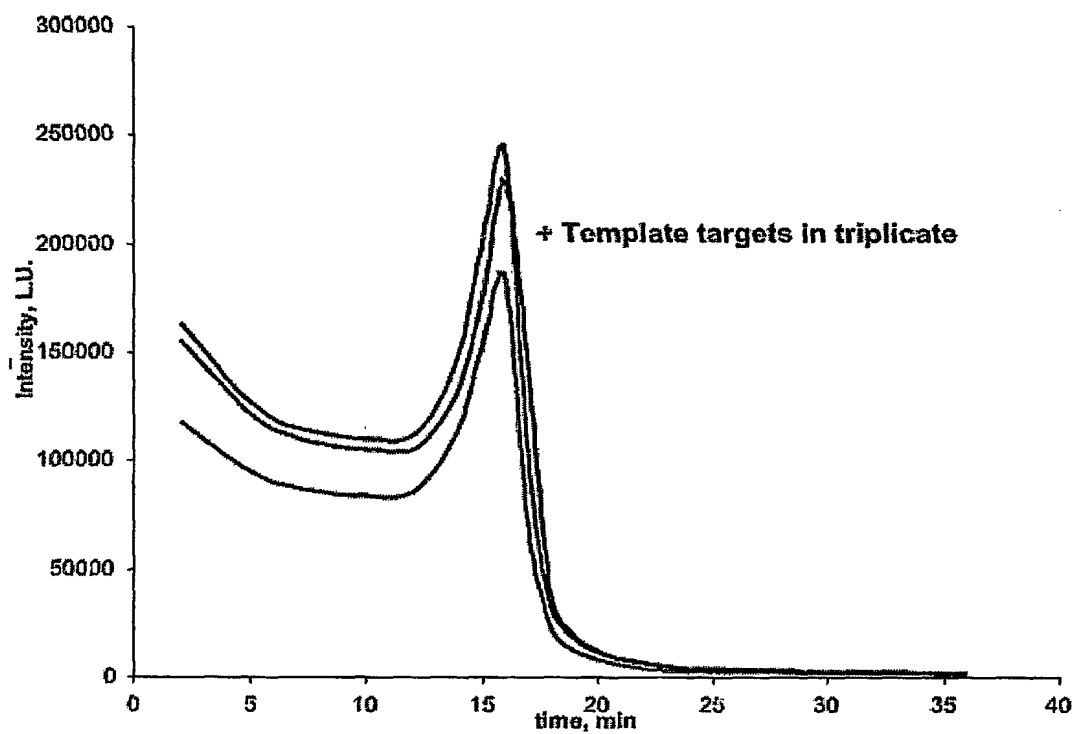


Figure 5: Light emission profiles for LAMP using different amounts of target template (duplicates) at 55°C

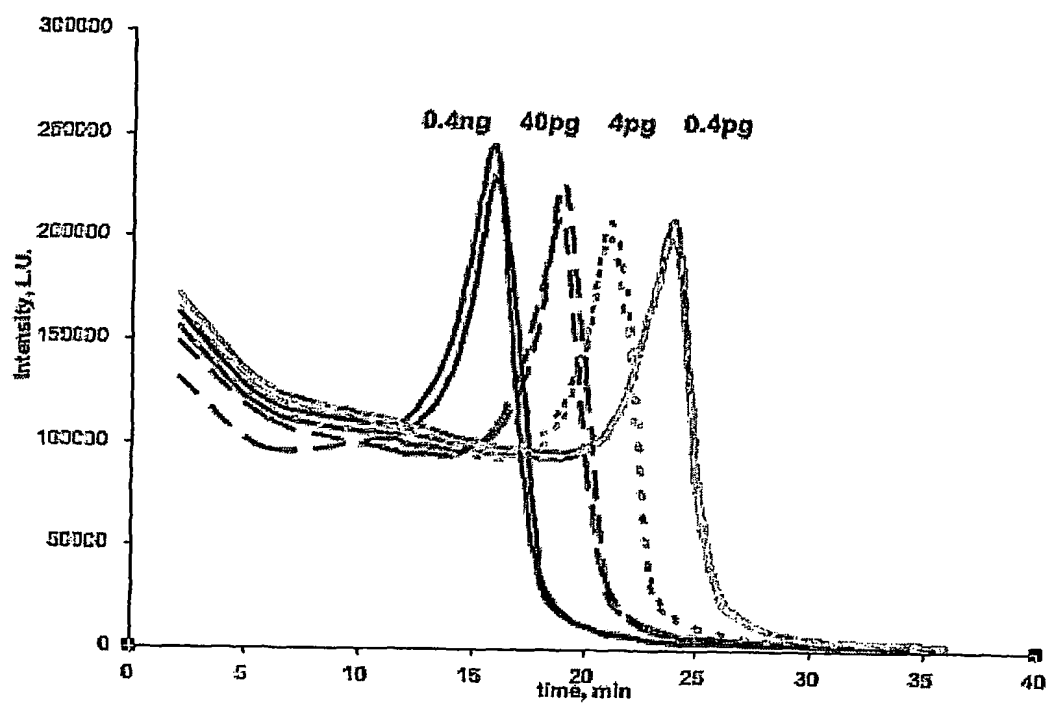
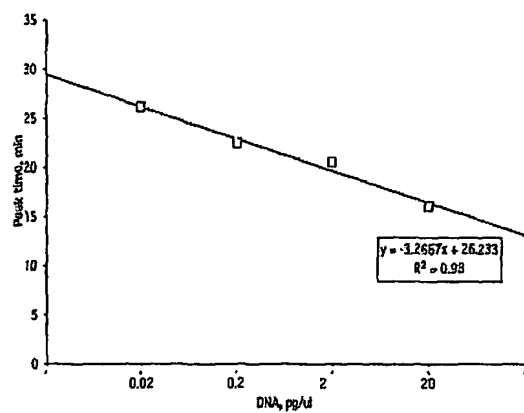
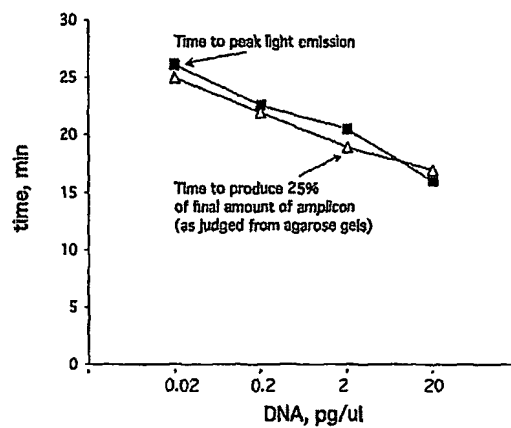


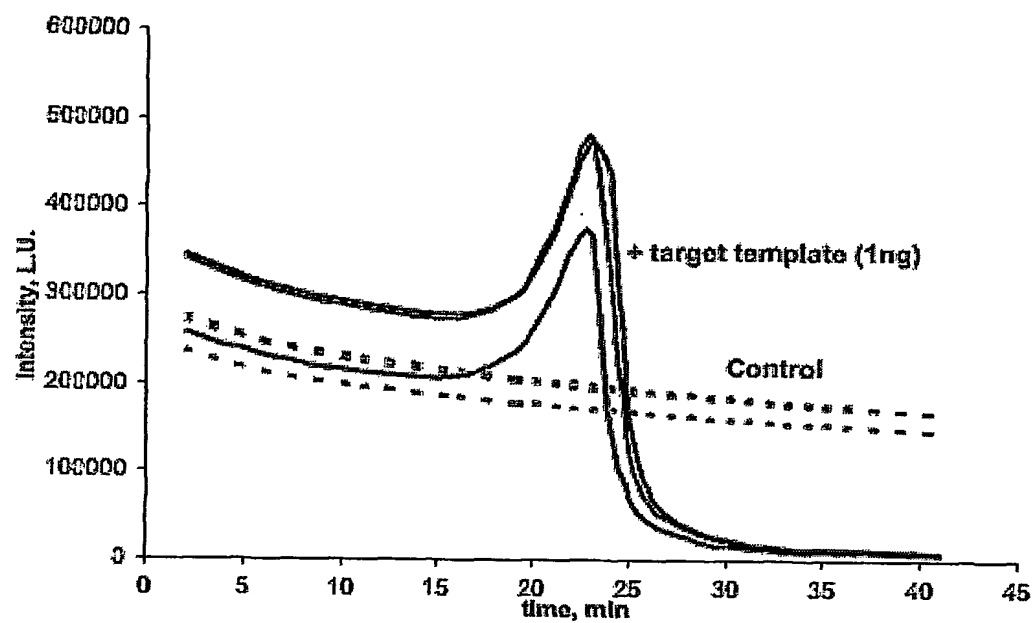
Figure 6: Time to peak light emission

a)

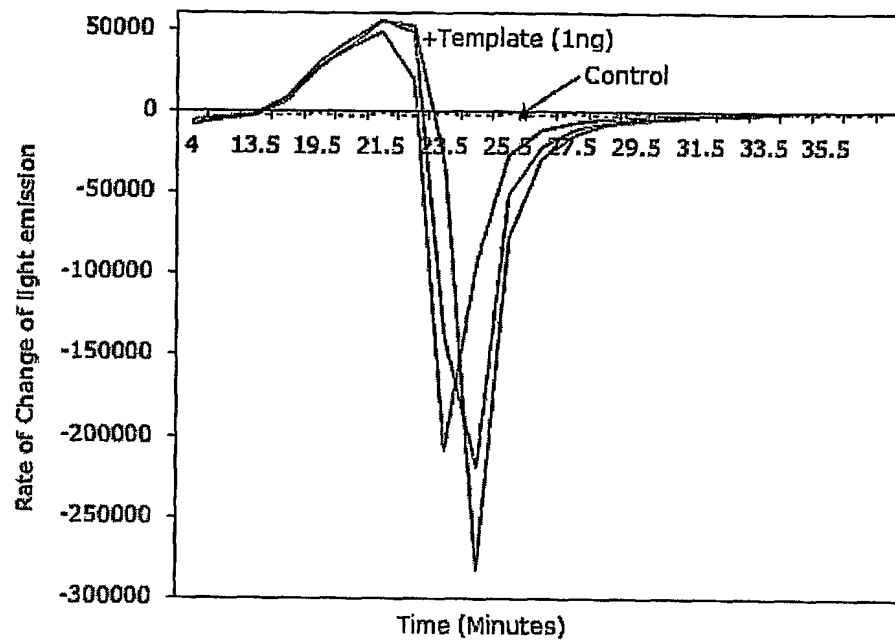


b)

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Figure 7: Plot of the raw output from a LAMP reaction in triplicate

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Figure 8: Plots of the 1st derivative of the curves shown in Figure 7

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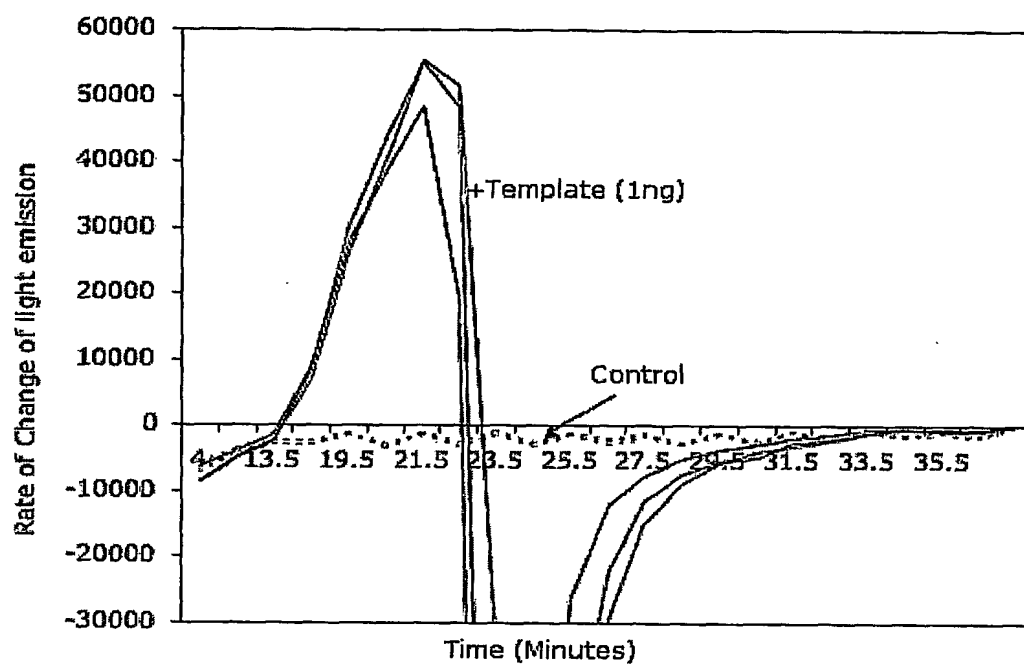
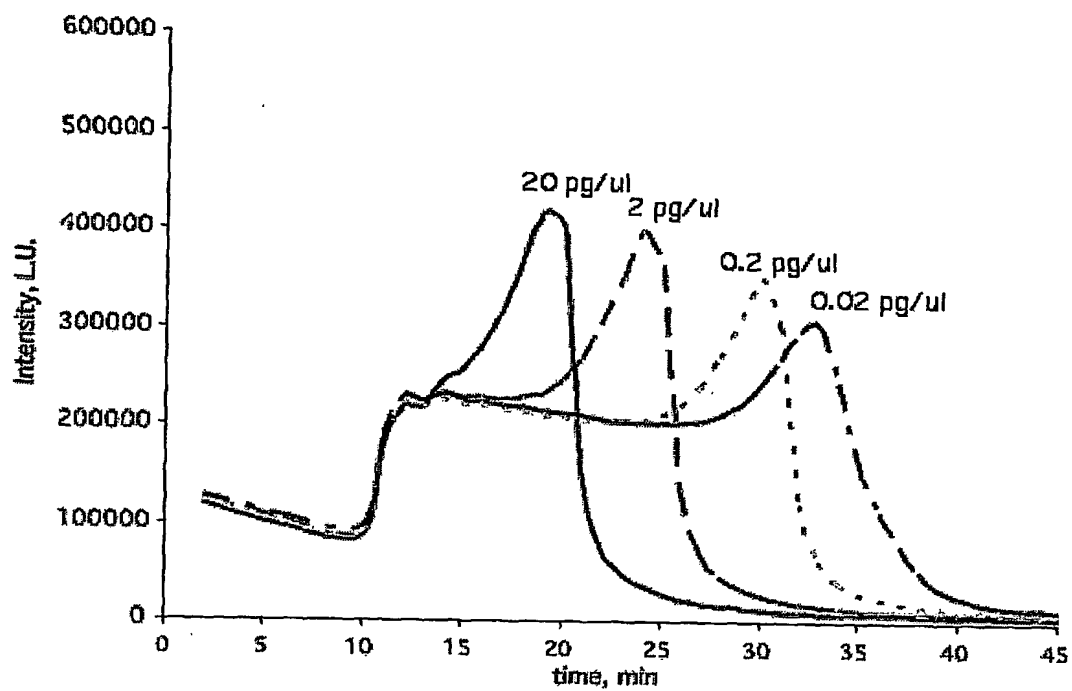
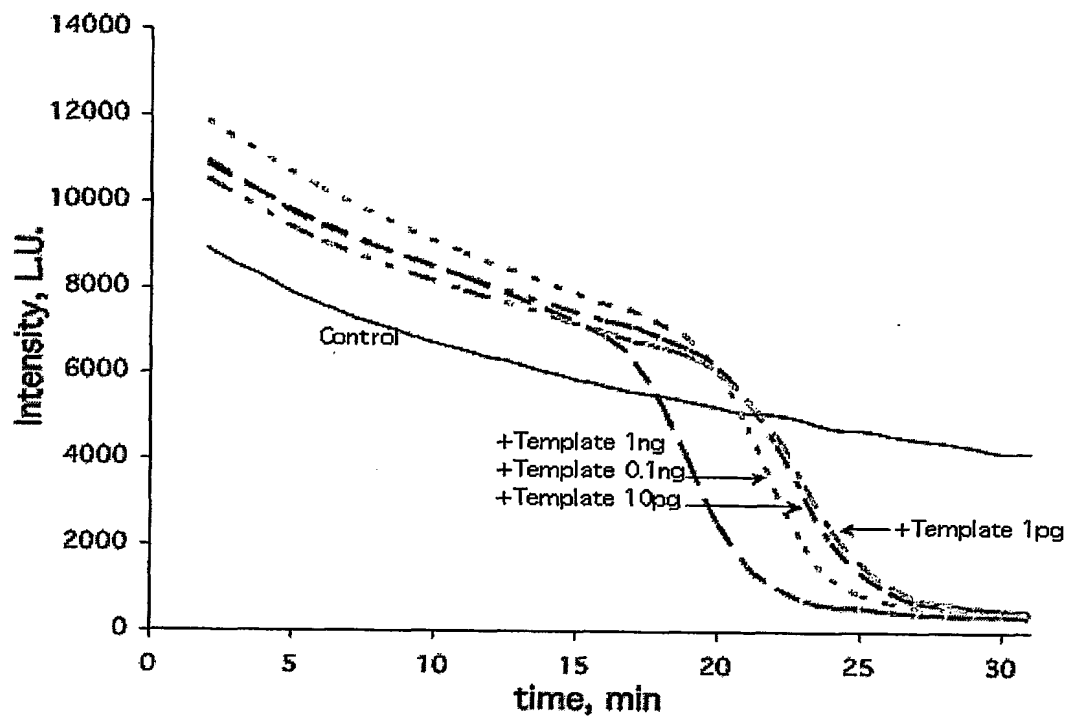
Figure 9: Comparison of controls to samples

Figure 10: A LAMP reaction where the temperature is decreased from 55°C to 50°C after 10 minutes



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Figure 11: Plot of the light intensity against time for ATP Sulphurylase-free LAMP, with different amounts of starting template



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Figure 12: Differential plot (control subtracted) of the normalized light-outputs for the ATP Sulphurylase-free LAMP reactions of samples containing different amounts of target template

